

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 09/982,048
Filed: 10/18/01
Applicant: Ganz
For: Automated Verification and
Inspection Device for
Sequentially Inspecting
Microscopic Crystals

Examiner: Miller, M
Group Art: 2623

CERTIFICATE OF MAILING

I certify that this document is being deposited on _____ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the:

Assistant Commissioner for Patents
Washington, D.C. 20231

Signature of Person Mailing Correspondence

John R. Ross, III
Typed or Printed Name of Person Mailing
Correspondence

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Technology Center 2600

Declaration under Rule 131

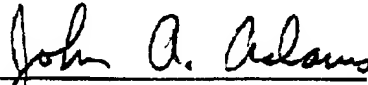
Sir:

John A. Adams, an applicant in the above-identified patent application declares as follows:

1. I make this declaration to document evidence relevant to the above-identified patent application entitled "Automated Verification and Inspection Device for Sequentially Inspecting Microscopic Crystals" (hereinafter "the invention") regarding my due diligence followed by a subsequent reduction to practice.
2. I am a coinventor of the invention and employee of RoboDesign International, Inc. (hereinafter "RoboDesign").
3. My efforts involved working to improve the automatic classification features already in place in the version of the invention shipped to Structural Genomix on 4/10/01.
4. On 5/14/01, I used software provided by Intel Image processing library to read and write jpg images.
5. On 5/31/01, I processed some images Structural Genomix and used a standard image processing program to start extracting information from the images. An edge finder approach was used and the resulting images were saved as bmp files. A sample listing of the files saved from 5/31/01 can be seen by reference to Enclosure 8.
6. In June, I wrote some basic programs to analyze the drop images. I then used the programs to actually analyze drop images.

Enclosure B

7. On June 18, 2001, I started writing and using a cluster analysis program. This program evolved into one for microscopic crystal classification on 7/30/2001.
8. Further versions of the microscopic crystal classification program were written in August and September.
9. On 9/14/01, RoboDesign submitted a quote to Structural Genomix, Inc (Enclosure 9) to code the improved classification algorithms I had written to run on the RoboVision machines they had purchased in April and August. The improved classification algorithms would be able to automatically classify a plurality of microscopic crystals into 9 possible categories.
10. In October, I provided a write up of the invention to our patent attorney for filing.
11. The above-identified patent application was filed 10/18/01 and included a disclosure and claims relating to automatic classification of microscopic crystals. Specifically, the disclosure included a discussion of automatic classification of microscopic crystals into multiple categories.
12. I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.


John A. Adams

Feb 13, 2003
Date

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SGX_1.bmp
SGX_2.bmp
SGX_3.bmp
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SGX_2DET.BMP
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SGX Storage Retrieval Design ReviewJuly.ppt

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Enclosure 8